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SEQUENCE LISTING

<110>   Burris, Thomas P.

<120>   Method of Treating Atherosclerosis and Hypercholesterolemia

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Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
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        195                 200                 205


Arg Gln Arg Gly Lys Asp Arg Asn Glu Asn Glu Val Glu Ser Thr Ser
        210                 215                 220
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Ser Ala Asn Glu Asp Met Pro Val Glu Arg Ile Leu Glu Ala Glu Leu
225             230             235             240

Ala Val Glu Pro Lys Thr Glu Thr Tyr Val Glu Ala Asn Met Gly Leu
                245             250             255

Asn Pro Ser Ser Pro Asn Asp Pro Val Thr Asn Ile Cys Gln Ala Ala
            260             265             270

Asp Lys Gln Leu Phe Thr Leu Val Glu Trp Ala Lys Arg Ile Pro His
        275             280             285

Phe Ser Glu Leu Pro Leu Asp Asp Gln Val Ile Leu Leu Arg Ala Gly
    290             295             300

Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser His Arg Ser Ile Ala Val
305             310             315             320

Lys Asp Gly Ile Leu Leu Ala Thr Gly Leu His Val His Arg Asn Ser
            325             330             335

Ala His Ser Ala Gly Val Gly Ala Ile Phe Asp Arg Val Leu Thr Glu
            340             345             350

Leu Val Ser Lys Met Arg Asp Met Gln Met Asp Lys Thr Glu Leu Gly
            355             360             365

Cys Leu Arg Ala Ile Val Leu Phe Asn Pro Asp Ser Lys Gly Leu Ser
    370             375             380

Asn Pro Ala Glu Val Glu Ala Leu Arg Glu Lys Val Tyr Ala Ser Leu
385             390             395             400

Glu Ala Tyr Cys Lys His Lys Tyr Pro Glu Gln Pro Gly Arg Phe Ala
            405             410             415

Lys Leu Leu Leu Arg Leu Pro Ala Leu Arg Ser Ile Gly Leu Lys Cys
            420             425             430

Leu Glu His Leu Phe Phe Phe Lys Leu Ile Gly Asp Thr Pro Ile Asp
            435             440             445

Thr Phe Leu Met Glu Met Leu Glu Ala Pro His Gln Met Thr
    450             455             460
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<210> 7
<211> 2892
<212> DNA
<213> homo sapiens

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tgtcttgggc cgctcgcccg cccttcctcc ctcagcggca tgccgcaggg cagtgtgggc   240

cggtgggggt gcgaaaagaa atgcattgtg gggtcgcgtc ccggtggcgg cggcgacggc   300

cctggctgga tcccgcagcg gcggcggcgg cggcggtggc aggcggagaa caacaaaccc   360

cggagccgga gccaggggag gctggacggg acgggatggg cgacagcggg cgggactccc   420

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caccagtctt aggggtccgg ggcctgcact gtccacccCC tccaggtggc cctggggctg   780

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caggttgact aagaaatgcc agtggtggag gtgggtgttt gggaaaggca gggccctgaa    2520

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cgcagaggtg gggtgctggg gctgcatgat ttttgccctg cgtcccttct ctttggggct    2820

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<213>   homo sapiens

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Met Ser Trp Ala Ala Arg Pro Pro Phe Leu Pro Gln Arg His Ala Ala
1               5                   10                  15


Gly Gln Cys Gly Pro Val Gly Val Arg Lys Glu Met His Cys Gly Val
                20                  25                  30


Ala Ser Arg Trp Arg Arg Arg Pro Trp Leu Asp Pro Ala Ala Ala
            35                  40                  45


Ala Ala Ala Ala Val Ala Gly Gly Glu Gln Gln Thr Pro Glu Pro Glu
        50                  55                  60


Pro Gly Glu Ala Gly Arg Asp Gly Met Gly Asp Ser Gly Arg Asp Ser
65                  70                  75                  80
```

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```
Arg Ser Pro Asp Ser Ser Ser Pro Asn Pro Leu Pro Gln Gly Val Pro
            85              90              95

Pro Pro Ser Pro Pro Gly Pro Pro Leu Pro Pro Ser Thr Ala Pro Ser
            100             105             110

Leu Gly Gly Ser Gly Ala Pro Pro Pro Pro Pro Met Pro Pro Pro Pro
            115             120             125

Leu Gly Ser Pro Phe Pro Val Ile Ser Ser Ser Met Gly Ser Pro Gly
    130             135             140

Leu Pro Pro Pro Ala Pro Pro Gly Phe Ser Gly Pro Val Ser Ser Pro
145             150             155             160

Gln Ile Asn Ser Thr Val Ser Leu Pro Gly Gly Gly Ser Gly Pro Pro
            165             170             175

Glu Asp Val Lys Pro Pro Val Leu Gly Val Arg Gly Leu His Cys Pro
            180             185             190

Pro Pro Pro Gly Gly Pro Gly Ala Gly Lys Arg Leu Cys Ala Ile Cys
            195             200             205

Gly Asp Arg Ser Ser Gly Lys His Tyr Gly Val Tyr Ser Cys Glu Gly
    210             215             220

Cys Lys Gly Phe Phe Lys Arg Thr Ile Arg Lys Asp Leu Thr Tyr Ser
225             230             235             240

Cys Arg Asp Asn Lys Asp Cys Thr Val Asp Lys Arg Gln Arg Asn Arg
            245             250             255

Cys Gln Tyr Cys Arg Tyr Gln Lys Cys Leu Ala Thr Gly Met Lys Arg
            260             265             270

Glu Ala Val Gln Glu Glu Arg Gln Arg Gly Lys Asp Lys Asp Gly Asp
            275             280             285

Gly Glu Gly Ala Gly Gly Ala Pro Glu Glu Met Pro Val Asp Arg Ile
    290             295             300

Leu Glu Ala Glu Leu Ala Val Glu Gln Lys Ser Asp Gln Gly Val Glu
305             310             315             320

Gly Pro Gly Gly Thr Gly Gly Ser Gly Ser Ser Pro Asn Asp Pro Val
            325             330             335
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Thr Asn Ile Cys Gln Ala Ala Asp Lys Gln Leu Phe Thr Leu Val Glu
            340             345             350

Trp Ala Lys Arg Ile Pro His Phe Ser Ser Leu Pro Leu Asp Asp Gln
            355             360             365

Val Ile Leu Leu Arg Ala Gly Trp Asn Glu Leu Leu Ile Ala Ser Phe
            370             375             380

Ser His Arg Ser Ile Asp Val Arg Asp Gly Ile Leu Leu Ala Thr Gly
385             390             395             400

Leu His Val His Arg Asn Ser Ala His Ser Ala Gly Val Gly Ala Ile
                405             410             415

Phe Asp Arg Val Leu Thr Glu Leu Val Ser Lys Met Arg Asp Met Arg
            420             425             430

Met Asp Lys Thr Glu Leu Gly Cys Leu Arg Ala Ile Ile Leu Phe Asn
            435             440             445

Pro Asp Ala Lys Gly Leu Ser Asn Pro Ser Glu Val Glu Val Leu Arg
            450             455             460

Glu Lys Val Tyr Ala Ser Leu Glu Thr Tyr Cys Lys Gln Lys Tyr Pro
465             470             475             480

Glu Gln Gln Gly Arg Phe Ala Lys Leu Leu Leu Arg Leu Pro Ala Leu
                485             490             495

Arg Ser Ile Gly Leu Lys Cys Leu Glu His Leu Phe Phe Phe Lys Leu
            500             505             510

Ile Gly Asp Thr Pro Ile Asp Thr Phe Leu Met Glu Met Leu Glu Ala
            515             520             525

Pro His Gln Leu Ala
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cagtggggac cccctcaat gccctgggct ctccatatcg agtcatcacc tctgccatgg    420

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aa                                                                   1742
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<213>  homo sapiens

<400>  10

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1               5                   10                  15
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Gly Ser Pro Gly His Thr Gly Ser Thr Ser Met Ser Pro Ser Ala Ala
            20   25   30

Leu Ser Thr Gly Lys Pro Met Asp Ser His Pro Ser Tyr Thr Asp Thr
        35   40   45

Pro Val Ser Ala Pro Arg Thr Leu Ser Ala Val Gly Thr Pro Leu Asn
        50   55   60

Ala Leu Gly Ser Pro Tyr Arg Val Ile Thr Ser Ala Met Gly Pro Pro
65   70   75   80

Ser Gly Ala Leu Ala Ala Pro Pro Gly Ile Asn Leu Val Ala Pro Pro
                85   90   95

Ser Ser Gln Leu Asn Val Val Asn Ser Val Ser Ser Ser Glu Asp Ile
            100   105   110

Lys Pro Leu Pro Gly Leu Pro Gly Ile Gly Asn Met Asn Tyr Pro Ser
        115   120   125

Thr Ser Pro Gly Ser Leu Val Lys His Ile Cys Ala Ile Cys Gly Asp
    130   135   140

Arg Ser Ser Gly Lys His Tyr Gly Val Tyr Ser Cys Glu Gly Cys Lys
145   150   155   160

Gly Phe Phe Lys Arg Thr Ile Arg Lys Asp Leu Ile Tyr Thr Cys Arg
                165   170   175

Asp Asn Lys Asp Cys Leu Ile Asp Lys Arg Gln Arg Asn Arg Cys Gln
            180   185   190

Tyr Cys Arg Tyr Gln Lys Cys Leu Val Met Gly Met Lys Arg Glu Ala
        195   200   205

Val Gln Glu Glu Arg Gln Arg Ser Arg Glu Arg Ala Glu Ser Glu Ala
    210   215   220

Glu Cys Ala Thr Ser Gly His Glu Asp Met Pro Val Glu Arg Ile Leu
225   230   235   240

Glu Ala Glu Leu Ala Val Glu Pro Lys Thr Glu Ser Tyr Gly Asp Met
                245   250   255

Asn Met Glu Asn Ser Thr Asn Asp Pro Val Thr Asn Ile Cys His Ala
            260   265   270

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Ala Asp Lys Gln Leu Phe Thr Leu Val Glu Trp Ala Lys Arg Ile Pro
        275             280             285

His Phe Ser Asp Leu Thr Leu Glu Asp Gln Val Ile Leu Leu Arg Ala
    290             295             300

Gly Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser His Arg Ser Val Ser
305             310             315             320

Val Gln Asp Gly Ile Leu Leu Ala Thr Gly Leu His Val His Arg Ser
            325             330             335

Ser Ala His Ser Ala Gly Val Gly Ser Ile Phe Asp Arg Val Leu Thr
            340             345             350

Glu Leu Val Ser Lys Met Lys Asp Met Gln Met Asp Lys Ser Glu Leu
        355             360             365

Gly Cys Leu Arg Ala Ile Val Leu Phe Asn Pro Asp Ala Lys Gly Leu
    370             375             380

Ser Asn Pro Ser Glu Val Glu Thr Leu Arg Glu Lys Val Tyr Ala Thr
385             390             395             400

Leu Glu Ala Tyr Thr Lys Gln Lys Tyr Pro Glu Gln Pro Gly Arg Phe
            405             410             415

Ala Lys Leu Leu Leu Arg Leu Pro Ala Leu Arg Ser Ile Gly Leu Lys
            420             425             430

Cys Leu Glu His Leu Phe Phe Phe Lys Leu Ile Gly Asp Thr Pro Ile
        435             440             445

Asp Thr Phe Leu Met Glu Met Leu Glu Thr Pro Leu Gln Ile Thr
    450             455             460
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